DT07 Rec'd PCT/PTO 28 FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTORNEY'S DOCKET NUMBER LIPM-02501 TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLICATION NO. (If known, see 37 CFR 1.5) DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/JP02/13555 December 27, 2001 December 25, 2002 TITLE OF INVENTION SEMICONDUCTOR STORAGE DEVICE AND REFRESH CONTROL METHOD THEREOF APPLICANT(S) FOR DO/EO/US Hiroyuki TAKAHASHI; Takuya HIROTA; Noriaki KOMATSU; Atsushi NAKAGAWA; Susumu TAKANO; Masahiro YOSHIDA; Yuuji TORIGE; Hideo INABA Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371. 2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371. 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. The US has been elected (Article 31). 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. 🛛 is attached hereto (required only if not communicated by the International Bureau). b. has been communicated by the International Bureau. c. I is not required, as the application was filed in the United States Receiving Office (RO/US). 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a.  $\boxtimes$  is attached hereto. b. has been previously submitted under 35 U.S.C. 154(d)(4). 7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. are attached hereto (required only if not communicated by the International Bureau). b. have been communicated by the International Bureau. c. have not been made; however, the time limit for making such amendments has NOT expired. d. have not been made and will not be made. 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. A preliminary amendment. 14. An Application Data Sheet under 37 CFR 1.76. 15. A substitute specification. 16. A power of attorney and/or change of address letter.

19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.

18. A second copy of the published international application under 35 U.S.C. 154(d)(4).

20. Other items or information:

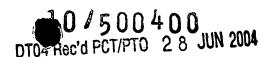
1) Certificate of Express Mailing.

2) Statement Under C.F.R. § 1.32(c)(3).

21.  The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)): Neither international preliminary examination fee (37 CFR 1.482) not international search fee (37 CFR 1.482) (2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	international application no. PCT/JP02/13555				ATTORNEY'S DOCKET NUMBER UPM-02501			
Neither international preliminary examination fee (37 CFR 1.482) and to USPTO and International search fee (37 CFR 1.445(a)(2)) paid to USPTO	21.  The following fees are submitted:					CALCULATIONS PTO USE ONLY		
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and International Search Report not prepared by the EPO or IPO	***************************************							
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO								
USPTO but International Search Report prepared by the EPO or JPO\$920.00  International preliminary examination (eq. 37 CFR 1.4482) not paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)	1 1							
but international search fee (37 CFR 1.445(a)(2)) paid to USPTO								
but all claims did not satisfy provisions of PCT Article 33(1)-(4)								
and all claims satisfied provisions of PCT Article 33(1)-(4)								
ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 920.00    Surcharge of \$130.00 for furnishing the cath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(c)).  CLAIMS   NUMBER FILLED   NUMBER EXTRA   RATE   \$    Total claims   20 - 20 =   0   x \$18.00   \$ 0    Independent claims   3 - 3 =   0   x \$86.00   \$ 0    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$290.00   \$ 920.00    Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  SUBTOTAL   \$ 920.00   \$ 920.00    Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  TOTAL NATIONAL FEE   \$ 920.00    Fee for recording the enclosed assignment (37 CFR 1.21(f)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   \$ 40.00    TOTAL FEES ENCLOSED   \$ 960.00    Anount to be refunded:   Charged:   \$ 10.00    TOTAL FEES ENCLOSED   \$ 960.00    Anount to be refunded:   Charged:   \$ 10.00    TOTAL FEES ENCLOSED   \$ 960.00    Account No.   In the amount of \$960.00 to cover the above fees is enclosed.  TOTAL FEES ENCLOSED   \$ 960.00    TOTAL FEES ENCLOSED   \$ 960.00    TOTAL FEES ENCLOSED   \$ 960.00    Anount to be refunded:   Charged:   \$ 10.00    TOTAL FEES ENCLOSED   \$ 960.00    TOTA								
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overpayment to Deposit Account No. 03-1721. A duplicate copy of this sheet is enclosed.  d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (87 CFR 1.137(a)) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO:  Patent Group CHOATE, HALL & STEWART Exchange Place 53 State Street Boston, MA 02109-2804  33,978								
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CHOATE, HALL & STEWART Exchange Place 53 State Street Boston, MA 02109-2804  Donald W. Muirhead NAME 33,978	or (b)) must be filed :	and granted to rest	it under 37 CFR 1.495 lore the application to p	ending status.		petition to reviv	(67 CFR 1.137(a)	
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33,978	53 State Street NAME							
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FORM PTO-1390 (REV 10-2003) page 2 of





## **PATENT**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hiroyuki TAKAHASHI, et al.

Appl. No.: To be assigned

Art Unit: To be assigned

Filed: June 28, 2004

Examiner: To be assigned

For: SEMICOND

SEMICONDUCTOR STORAGE

**DEVICE AND REFRESH** 

CONTROL METHOD THEREOF

Atty. Docket: UPM-02501

## **CERTIFICATE OF EXPRESS MAILING**

I hereby certify that the foregoing document is being deposited with the United States Postal Service as Express Mail, postage prepaid, "Post Office to Addressee", in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 28, 2004.

Tracey A. Newell

Express Mail Label No.: EV 325286758 US